

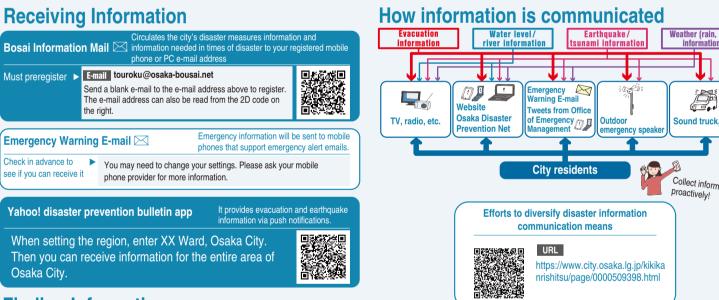
Higashiyoke and 24-hour total rainfall: 904.1 mm/hour Probable maximum precipitation Nov. 2019 Likelihood: 1/more than 1,000 years) Nishiyoke Rivers Maximum rainfall: 102.5 mm/hour ondabayashi Civil Engineering Office, Osaka Prefecture 24-hour total rainfall: 724 mm/hour Probable maximum precipitation shikawa Rive Jan. 2021 Maximum rainfall: 195.5 mm/hour Likelihood: 1/more than 1,000 years) 24-hour total rainfall: 737 mm/hour Probable maximum precipitation Nishi Osaka Flood Control Office. Kanzaki River 06-6541-7771 Jan. 2020 (Likelihood: 1/more than 1.000 years) Maximum rainfall: 81.1 mm/hour Osaka Prefecture 24-hour total rainfall: 1,150 mm/hour Probable maximum precipitatio Ikeda Civil Engineering Office. Tenjiku River 072-752-4111 Jan. 2020 Maximum rainfall: 142.6 mm/hour (Likelihood: 1/more than 1,000 years) Osaka Prefecture keda Civil Engineering Office, Osaka 24-hour total rainfall: 1,150 mm/hou Probable maximum precipitatio Taka River Ibaraki Civil Engineering Office, Osaka 072-627-1121 (Likelihood: 1/more than 1,000 years) Maximum rainfall: 145.4 mm/hour 24-hour total rainfall: 776 mm/hour Ibaraki Civil Engineering Office, Probable maximum precipitation Ai River 072-627-1121 Maximum rainfall: 189 mm/hour Osaka Prefecture 24-hour total rainfall: 683 mm/hour 06-6962-7661 Maximum rainfall: 138.1 mm/hour (Likelihood: 1/more than 1,000 years) Control Office, Osaka Prefecture Scenario in which the central pressure is 910 hPa (Muroto Typhoon level), radius of Person in charge of emergency Aug. 2020 | management, Port & Harbor Bureau, | 0725-21-7246 naximum cyclostrophic wind speed is 75 km (Isewan Typhoon level), traveling speed is High tide 73 km/h, and the path is the same as that of Muroto Typhoon Osaka City 24-hour total rainfall: 549 mm/hour Inland flooding Mar. 2021 Department, Public Works Bureau, 06-6615-7594 (Likelihood: about 1/1,000 years) Maximum rainfall: 147 mm/hour Osaka City Scenario in which an earthquake with a magnitude of around 8.6 occurs, causing flooding Tonankai and Nankai 06-6615-7782 Mar. 2004 due to a tsunami, and tide gates (those open at night), etc. did not close (high tide earthquake and tsunami Bureau, Osaka City Disaster Prevention Planning Scenario in which an earthquake with a magnitude of around 9.1 occurs, causing flooding Nankai Trough mega 06-6944-6487 due to a maximum class tsunami (breakwater and opening/closing of tidal barriers taken Division, Office of Emergency earthquake and tsunami into account) (high tide assumed) Management, Osaka Prefecture

Creator of this pamphlet: Office of Emergency Management, Osaka City (Tel: 06-6208-7384) This pamphlet is also available for view on the official website of the Office of Emergency Management, Osaka City. https://www.city.osaka.lg.jp/kikikanrishitsu/



Mar. 2021

Transmission of information



Finding Information

If outdoor emergency speaker broadcasts could not be heard: call the Government Disaster Wireless Telephone Service (06-6210-3899), charges apply.

● In times of disaster, switch your TV to NHK and press the "d" button for data broadcasting to view evacuation advisories, if evacuation shelters are open, and other information.



NTT docomo

URL http://dengon.docomo.ne.jp



Disaster Information for River

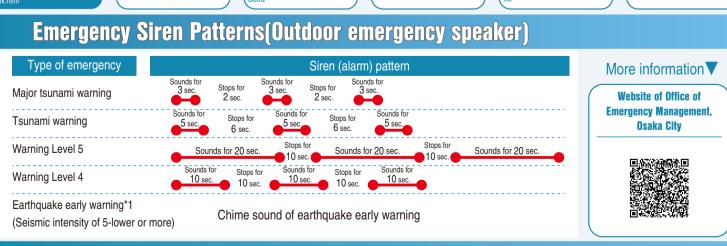












Safety Confirmation Message Services



Disaster Emergency Message Board It can be accessed if internet connection is available in times of disaster. Web171(NTT) SoftBank / Y!mobile URL https://www.web171.jp

URL http://dengon.softbank.ne.jp URL http://dengon.ezweb.ne.jp

It enables the one-stop search of all safety status information posted on the disaster message boards of communication carriers communication carriers.

URL https://anpi.jp/

J-anpi for one-stop searches of all

safety status information

Dates you can try out the services

1st and 15th of every month (24 hours).

Jan. 1 to 3 (24 hours

(Jan. 15, 9 am to Jan. 21, 5 pm)

Disaster Preparedness Week

(Aug. 30, 9 am to Sep. 5, 5 pm)

aster Preparedness and Volunteer Week

What is My Timeline?

what to do

Collect information

Prepare for evacuation

Buy necessary items

Check window locks

Charge mobile phone

Contact and call out

Call out to neighbors

To evacuate

Contact

Contact

Contact method

Communicate with family

(If you cannot evacuate by yourself

(If you're not together)

To evacuate

until you start evacuating

My Timeline provides an opportunity to prepare for wind and flood disasters, such as heavy rains and typhoons, and plan in advance how to escape using your own evacuation route while giving due consideration to the circumstances or evacuation behavior of each family member. Creating a schedule that summarizes who does what and when will help you act in an appropriate manner in the event of an emergency.

Family Evacuation Plan When heavy rain could cause river flooding

Determine where you will evacuate to and write it down. 1 Evacuation place Determine where you will evacuate to and write it down.

Determine all 1 to 3 evacuation places that you will evacuate to depending on the situation.

: In principle: Place for early evacuation Closest flood disaster (tsunami) evacuation building Home, relative's home, friend's home, workplace, etc. Closest evacuation shelter (the closest safe place that will not flood) (the closest safe place that will not flood) (the closest safe place that will not flood) ■ Tall building or other elevated place (the closest safe place that will not flood)

example 🕻 If you did not escape in time... 💽 Where you can protect yourself at that place and time

| Fill in when you will start evacuating and when you will do what. ▶ Determine when you will take the actions you identified in 2.

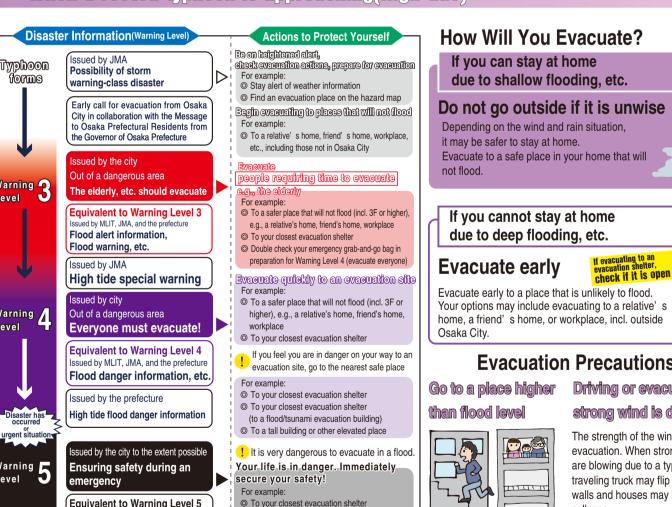
▶ Write down when you will evacuate 1111111111 Check weather and evacuation information Fill in When will you evacuate? When will you do what? is forecasted Ex: Double check emergency grab-and-go bag (mom Warning Level Early advisory Check emergency kit and stockpile information Begin moving household items to 2F, etc. Ex: Double check evacuation shelter (everyone Warning Level **2** Inspect area around the house Flood advisory Put away items that may blow away Heavy rain advisory Check opening of evacuation shelter Likely evacuation place at this stage \emph{N} aming Level ${f 3}$ ☐ To evacuate together Evacuation of the elderly from a dangerous area! To evacuate togethe Ex: Evacuate to XX Elementary School (dad and children Evacuation place 1,0 Contact the person who will assist your evacuation Likely evacuation place at this stage **Evacuation place** (

> After evacuating, inform your family and other important people that you have evacuated safely Family meeting place

It is extremely dangerous to leave or relocate from your evacuation place before the evacuation information is lifted.

during

When a record typhoon is approaching(High tide)



To your closest evacuation shelter

(to a flood/tsunami evacuation building)

○ To a tall building or other elevated place

due to deep flooding, etc. If evacuating to an evacuation shelter, check if it is open **Evacuate early** Evacuate early to a place that is unlikely to flood. Your options may include evacuating to a relative's home, a friend's home, or workplace, incl. outside **Evacuation Precautions** Driving or evacuating in

epending on the situation of the disaster, information may not necessarily be released in this order.

strong wind is dangerous The strength of the wind affects evacuation. When strong wind gusts are blowing due to a typhoon, etc., a traveling truck may flip over, or block walls and houses may begin to

Evacuation Precautions

Remain at the safe place

until the tsunami warning

is canceled.

* Depending on the situation of the river(s) and the disaster, information may not necessarily be released in this order

Upon feeling massive or

slow earthquake tremors,

or river as soon as

nossible.

move away from the beach

When a tsunami strikes

sued by MLIT, JMA, and the prefecture

Heavy rain emergency warning, etc.

Flood inundation information.

How Will You Evacuate? Move to an inundation-free place as

It is necessary to respond flexibly to the situation.

soon as possible. Upon feeling earthquake tremors or receiving a tsunami warning. evacuate to an inundation-free place as soon as possible. Outside the assumed flood inundation zone

©Safe, inundation-free floors of the nearest tsunami evacuation building ©Safe, inundation-free floors of the nearest tall building or on

Tsunami (higher than 1 m) caused by a massive Nankai Trough earthquake is expected to reach Osaka City within 110 minutes after the occurrence of the earthquake.

Tsunami Information Estimated maximum tsunami height

	Lotimated maximum tounam neight			Warning name	Your responses
	Quantitative expression (indication)		Qualitative expression	vvarriing name	roui responses
	Over 10 m			Major tsunami	_
-	10 m	5m <height≦10m< th=""><th rowspan="2">Huge</th><th rowspan="2">warning (Emergency warning)</th><th rowspan="2">●As quickly and high as possible</th></height≦10m<>	Huge	warning (Emergency warning)	●As quickly and high as possible
	5 m	3m <height≦5m< th=""></height≦5m<>			
	3 m	1m <height≦3m< th=""><th>High</th><th>Tsunami warning</th><th> If you did not escape in time, run and climb up a tall building or other elevated place </th></height≦3m<>	High	Tsunami warning	 If you did not escape in time, run and climb up a tall building or other elevated place
	1 m	20cm≦Height≦1m	N/A	Tsunami advisory	●Stay alert of tsunami information

Ward Save

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Level

Level

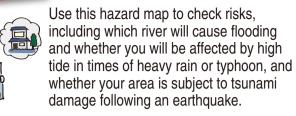
Warning /

How to Use

this Hazard Map

↑大阪市 Osaka City Flood Hazard Map English

Check the disaster risks How to Use for your neighborhood



Determine when and where to

Your evacuation actions to protect yourself will be different

depending on the situation of the disaster and the situation

Determine when and where you will evacuate to for protect-

ing yourself from each type of disaster: heavy rain; typhoon;

evacuate to for each type of disaster



What kinds of natural disasters happen in Osaka?

In Osaka, inundation is assumed by river administrators (Kinki Regional Development Bureau, Osaka Prefecture, and

Osaka City) in the event of heavy rains or when a tsunami

occurs because of an earthquake. Specifically, river flooding, inland flooding, tsunami inundation, and a high tide are

Long-duration heavy rainfall events can lead to levee breaks and

inundation due to increased river water



Check your daily preparedness by making use of the information in here and My Timeline to protect



How to Use 🚄

you are in.

and tsunami

How to Use 3

A variety of information is released in times of disaster. Take daily preparedness measures by making use of the information in here which will facilitate immediate actions in an emergency, as well as My Timeline which you can fill out.

Evacuation and meeting place Determine and write down the evacuation and meeting places by type of disaster.

Heavy rain

Seismogenic faulting that has occurred in the seabed makes the

The waves will then spread in every direction, forming a tsunami.



A storm surge is a phenomenon where the sea level (tide leve becomes higher than the normal tide level due to the approach of a yphoon or low atmospheric pressure. The main causes of the abnorma rise in tide level are the low atmospheric pressure pulling water from the sea surface and a storm's winds pushing water onshore.

High waves from the offing

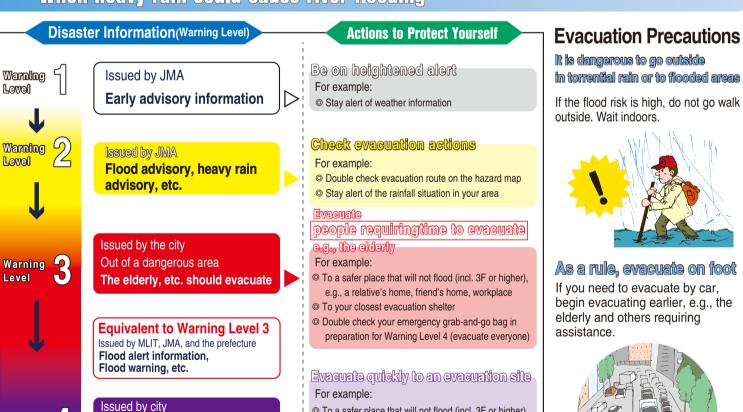
Source: Official website of the Japan Meteorological Agency

Emergency contact information

Higashinari Ward Office	06-6977-9734
Higashinari Ward Public Health and Welfare Center	06-6977-9986
Police Station	110
Fire Department	119
Sewer (Tajima Sewer System Maintenance Center)	06-6751-5048
Water Service (Eastern Water Service Center)	06-6927-8771

06-6751-5000 Road (Tajima Construction and Maintenance Office) Electricity (common to all branches of Kansai Electric Power) 0800-777-8810 Gas leak (Osaka Gas) 0120-0-19424 Telephone trouble (NTT) 113 When using a fiber optic telephone or mobile phone 0120-444113

When heavy rain could cause river flooding



To a safer place that will not flood (incl. 3F or higher), e.g., a relative's home, friend's home, workplace

To your closest evacuation shelter 🗽 If you feel you are in danger on your way to an evacuation site, go to the nearest safe place

For example: To your closest evacuation shelter To your closest evacuation shelter (to a flood/tsunami evacuation building)

It is very dangerous to evacuate in a flood. Your life is in danger. Immediately

secure your safety! For example: To your closest evacuation shelter

To your closest evacuation shelter

(to a flood/tsunami evacuation building)

© To a tall building or other elevated place

The water will be muddy, and you will have a hard time seeing where you are going. It is dangerous as you can fall into a manhole, drain, or other



Do not use flooded roads

As a rule, evacuate on foot

* Depending on the situation of the river(s) and the disaster, information may not necessarily be released in this order. It is necessary to respond flexibly to the situation. **How Will You Evacuate?**

If you can stay at home due to shallow flooding, low risk of house collapse, etc.

Out of a dangerous area

Everyone must evacuate!

Equivalent to Warning Level 4

Flood danger information, etc.

sued by the city to the extent possible

Ensuring safety during an

Equivalent to Warning Level 5

Heavy rain emergency warning, etc.

Flood inundation information,

ssued by MLIT, JMA, and the prefecture

Issued by MLIT, JMA, and the prefecture

Do not go outside if it is unwise

Depending on the wind and rain situation, it may be safer to stay at home. Evacuate to a safe place in your home that will

If you cannot stay at home due to deep flooding, high risk of house collapse, etc.

Evacuate early

check if it is open Evacuate early to a place that is unlikely to flood. Your options may include evacuating to a relative's home, a friend's home, or workplace.

emergency facilities for protecting people's lives from river flooding and tsunami. Know where your closest flood disaster evacuation buildings are in case of an

emergency.

Image

Osaka City is working to secure flood disaster evacuation buildings, which will serve as temporary or すいがいじ ひなん

About flood disaster evacuation buildings

不大阪市

水害時避難ビル Flood Disaster Evacuation Bldg. 水灾时避难楼 / 수해 시 대피 빌딩 避難可能時間 「24時間」

* Disaster Emergency Message Boards become available when a major disaster occurs. For service details, please see the explanation provided by NTT and the respective mobile phone companies.